



REMARKS/ARGUMENTS

RECEIVED
DEC 19 2003
TC 1700

I. Election/Restriction

The Examiner states that restriction is required under 35 U.S.C. 121 and 372. The application contains inventions or groups of inventions which are not so linked to form a single general inventive concept under PCT Rule 13.1.

Claims 9--14 have been canceled. Claims 2, 3, 4 and 5 have been amended so as to be dependent on allowed claim 6. Claims 7 and 8 are also dependent on claim 6. Accordingly, all claims are drawn to a bead curing finger mold. The claims have also been amended to set forth the “bead bundle” and not the “circular member.”

II. Specification

The Examiner states that the specification is objected to as failing to provide proper antecedent basis for the claimed subject matter in that the broadly claimed subject matter of claim 2 – 5, 7 and 8 are not recited in the specification.

Claims 2-5 have been amended so as to be specific to a mold for a bead bundle. Claim 7 is directed to the feature of “said lower finger mold half being raised to close said mold” and “said upper finger mold half has spaced apart spring loaded ejection fingers.” These features are set forth on page 3, lines 27 and 28, and lines 20 and 21. Further, claim 8 is directed to the feature of the lower finger mold half having ejectors and bead holders which are set forth on page 3, lines 11 – 15, and 17 – 23.

To comply with the Examiner’s request, the subject matter of claims 2-5, 7 and 8 have been added to the specification on page 2, line 20. Applicant respectfully contends that the Examiner’s objection be withdrawn.

III. Claim Rejections Under 35 U.S.C. § 112

The Examiner stated claims 1 – 5 are rejected under 35 U.S.C. 112, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

Claim 1 has been canceled and claims 2 – 5 made dependent on allowed claim 6.

In claim 3 the words “circumferentially continuous” have been deleted and replaced with the word “circular” to define the “molding member surface.” Because claim 1, which recited “meshing engagement” has been cancelled, Applicant respectfully contends that the redundancy of the phrase “meshing engagement” has been eliminated.

In response to the statement that “also it appears applicants intend ‘a resilient rubber like material’ to be -- an elastomeric material” it is submitted that the definition of “resilient rubber like material” is clear according to *Webster's Collegiate Dictionary*, 10th Edition, copyright 1997, where it is stated in the following definitions:

rubber like: resembling rubber especially in physical properties (as elasticity and toughness)

See Exhibit A.

elastic: easily stretched rubber usually prepared in cords, strings, or bands. **See Exhibit B.**

It is submitted that this is the same as the definition of an elastomer, especially since the definition of “rubber like” states “resembling rubber especially in physical properties (as elasticity and toughness).” This is the same as the definition of elastomeric, which is the adjective for “elastomer” defined as “any of various elastic substances resembling rubber.” **See Exhibit C.** In view of these definitions it is not believed that it is necessary to change the definition “resilient rubber like material” to “elastomeric.”

IV. Rejections Under 35 U.S.C. § 112, First Paragraph

The Examiner rejection claims 1-5 under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Applicant respectfully traverses the rejection. However, claim 1 has been canceled, and claims 2-5 now depend from allowed claim 6. Further, the preamble of claims 2-5 has been amended to recite a bead curing finger mold. In light of these amendments, Applicant respectfully contends that amended claims 2-5 are in condition for allowance.

V. Conclusion

It is now believed this application as amended is in condition for allowance and such action is respectfully requested.

Respectfully submitted,

BROUSE McDOWELL

December 11, 2003
Date

Telephone No.: (330) 535-5711
Fax No.: (330) 253-8601

Heather M. Barnes
Heather M. Barnes, Esq.
Reg. No. 44,022
500 First National Tower
106 S. Main Street
Akron, Ohio 44308-1471

Exhibit A

scrape] *vi* (14c) 1 *a* : to move along the surface of a body with pressure : GRATE *b* (1) : to fret or chafe with or as if with friction (2) : to cause discontent, irritation, or anger 2 : to continue in a situation usu. with slight difficulty (in spite of financial difficulties, he is *rubbing* along) 3 : to admit of being rubbed (as for erasure or obliteration) ~ *vt* 1 *a* : to subject to or as if to the action of something moving esp. back and forth with pressure and friction *b* (1) : to cause (a body) to move with pressure and friction along a surface (2) : to treat in any of various ways by rubbing *c* : to bring into reciprocal back-and-forth or rotary contact 2 : ANNOY — *rub elbows* or *rub shoulders* : to associate closely : MINGLE — *rub one's nose in* : to bring forcefully or repeatedly one's attention — *rub the wrong way* : to arouse the antagonism or displeasure of : IRRITATE *rub n* (1586) 1 *a* : an unevenness of surface (as of the ground in lawn bowling) *b* : OBSTRUCTION, DIFFICULTY (the ~ is that so few of the scholars have any sense of this truth themselves —Benjamin Fannington) *c* : something grating to the feelings (as a gibe or harsh criticism) *d* : something that mars serenity 2 : the application of friction with pressure (an alcohol) ~ *Ru-bai-ya stanza* \rū-bē-ä-tä, -bi-, -at- \ *n* [The *Rubaiyat* of *Omar Khayyám*, quatrains translated by Edward FitzGerald (1859)] (1940) : an iambic pentameter quatrain with a rhyme scheme *aaba* *ru-basse* \rū-bäs, 'rū-, *n* [F *rubace*, irreg. fr. *rubis ruby* — more at *RUBY*] (ca. 1890) : a quartet stained a ruby red *ru-ba-to* \rū-bä-,tō\ *n, pl* -*tos* [L, lit., robbed] (ca. 1883) : a fluctuation of tempo within a musical phrase often against a rhythmically steady accompaniment *rub-ber* \rā-bar\ *n* (1536) 1 *a* : one that *rubbs* *b* : an instrument or object (as a rubber eraser) used in rubbing, polishing, scraping, or cleaning *c* : something that prevents rubbing or chafing 2 [fr. its use in erasers] *a* : an elastic substance that is obtained by coagulating the milky juice of any of various tropical plants (as of the genera *Hevea* and *Ficus*), is essentially a polymer of isoprene, and is prepared as sheets and then dried — called also *caoutchouc*, *india rubber* *b* : any of various synthetic rubberlike substances *c* : natural or synthetic rubber modified by chemical treatment to increase its useful properties (as toughness and resistance to wear) and used esp. in tires, electrical insulation, and waterproof materials 3 : something made of or resembling rubber: as *a* : a rubber overshoe *b* (1) : a rubber tire (2) : the set of tires on a vehicle *c* : a rectangular slab of white rubber in the middle of a baseball infield on which a pitcher stands while pitching *d* : CONDOM — *rubber adj* *rubber n* [origin unknown] (1599) 1 : a contest consisting of an odd number of games won by the side that takes a majority (as two out of three) 2 : an odd game played to determine the winner of a tie *rubber band* *n* (1886) : a continuous band of rubber used in various ways (as for holding together a sheaf of papers) *rubber bridge* *n* (1936) : a form of contract bridge in which settlement is made at the end of each rubber *rubber cement* *n* (1886) : an adhesive consisting typically of a dispersion of vulcanized rubber in an organic solvent *rubber check* *n* [fr. its coming back like a bouncing rubber ball] (1926) : a check returned by a bank because of insufficient funds in the payee's account *rubber-ized* \rā-bar-,izd\ *adj* (1908) : coated or saturated with rubber or a rubber solution *rubber-like* \rā-bar-,lik\ *adj* (1922) : resembling rubber esp. in physical properties (as elasticity and toughness) *rubber-neck* \rā-nek\ *n* (ca. 1896) 1 : an overly inquisitive person 2 : TOURIST: esp. one on a guided tour *rubberneck* *vi* (1896) 1 : to look about, stare, or listen with exaggerated curiosity 2 : to go on a tour : SIGHTSEE — *rubber-neck-er* \rā-ne-kär\ *n* *rubber plant* *n* (1888) : a plant that yields rubber; esp. : a tall tropical Asian tree (*Ficus elastica*) of the mulberry family that is frequently dwarfed as an ornamental *rubber-stamp* *vi* (1918) 1 : to approve, endorse, or dispose of as a matter of routine or at the command of another 2 : to mark with a rubber stamp *rubber stamp* *n* (1881) 1 : a stamp of rubber for making imprints 2 *a* : a person who echoes or imitates others *b* : a body or person that approves or endorses a program or policy with little or no dissent or discussion 3 *a* : a stereotyped copy or expression (the usual *rubber stamps* of criticism —H. L. Mencken) *b* : a routine endorsement or approval — *rubber-stamp adj* *rubber tree* *n* (1847) : a tree that yields rubber; esp. : a So. American tree (*Hevea brasiliensis*) of the spurge family that is cultivated in plantations and is a chief source of rubber *rub-bery* \rā-bä-,rē\ *adj* (1907) : resembling rubber (as in elasticity, consistency, or texture) (~ legs) *rub-bing* \rā-bing\ *n* (1845) : an image of a raised, incised, or textured surface obtained by placing paper over it and rubbing the paper with a colored substance *rubbing alcohol* *n* (ca. 1931) : a cooling and soothing liquid for external application that contains approximately 70 percent denatured ethyl alcohol or isopropanol *rub-bish* \rā-bish, dial -bış\ *n* [ME *robys*] (15c) 1 : useless waste or rejected matter : TRASH 2 : something that is worthless or nonsensical (few real masterpieces are forgotten and not much ~ survives —William Bridges-Adams) — *rub-bishy* \rā-bä-shē\ *adj* *rub-ble* \rā-bäl\ *n* [ME *robys*] (14c) 1 *a* : broken fragments (as of rock) resulting from the decay or destruction of a building (fortifications knocked into ~ —C. S. Forester) *b* : a miscellaneous confused mass or group of usu. broken or worthless things (lay a pile of ~, only this time there was more of it, additional gear having hit the deck —K. M. Dodson) 2 : waterworn or rough broken stones or bricks used in coarse masonry or in filling courses of walls 3 : rough stone as it comes from the quarry



rubber tree

rubble vi *rub-bled*; *rub-bling* \rā-bä-lij\ (1926) : to reduce to rubble *rub-down* \rāb-,daun\ *n* (1896) : a brisk rubbing of the body *rubé* \rāb\ *n* [*Rube*, nickname for *Reuben*] (1896) : an awkward unpolished person : RUSTIC *rub-e-fa-cient* \rā-bä-fä-shänt\ *adj* [L *rubefacient*, *rubefaciens* *f* of *rubefacere* to make red, fr. *rubetus* reddish + *facere* to make — *m* at *RUBY*, DO] (1804) : causing redness (as of the skin) *rubefacient* *n* (1805) : a substance for external application that produces redness of the skin *Rube* *Gold-berg* \rāb-,göld-,berg\ *n* [Reuben (Rube) L. *Goldberg* †1970] A cartoonist (1931) : accomplishing by complex means what seemed could be done simply (a kind of *Rube Goldberg* contraption ... five hundred moving parts —L. T. Grant); also : characterized by complex means *rub-el-la* \rāb-,el-ä\ *n* [NL, fr. L, fem. of *rubellus* reddish, fr. *ruber* — more at *RED*] (1883) : GERMAN MEASLES *rub-el-ite* \rāb-,el-ït, 'rū-,el-ït\ *n* [L *rubellus*] (ca. 1796) : a red to maline used as a gem *Rub-en-esque* \rāb-,en-nesk\ *adj* (1925) : of, relating to, or suggestive of the painter Rubens or his works; esp. : plump or rounded usu. in pleasing or attractive way (a ~ figure) *rub-e-o-la* \rāb-,e-ö-,lä\ *n* [NL, fr. neut. pl. of (assuming *NL*) *rubellous* reddish, fr. *rubetus*] (1803) : MEASLES *Rub-eo-con* \rāb-,e-ö-,kän\ *n* [L *Rubicon*, *Rubico*, river of northern Gaul forming part of the boundary between Cisalpine Gaul and Italy who crossing by Julius Caesar in 49 B.C. was regarded by the Senate as an *o* war] (1626) : a bounding or limiting line; esp. : one that when crossed commits a person irrevocably *rub-bi-cund* \rāb-,bi-künd\ *adj* [ME *rubicunde*, fr. L *rubicundus* *r* ruber to be red; akin to L *rubeus*] (15c) : RUDDY — *ru-bi-cundid* \rāb-,bi-kän-dä-,të\ *n* *rub-bi-um* \rāb-,bi-dë-äm\ *n* [NL, fr. L *rubidus* red, fr. *rubere*] (186 : a soft silvery metallic element of the alkali metal group that reacts violently with water and bursts into flame spontaneously in air — ELEMENTAL TABLE) *rub in* *vi* (1851) : to harp on (as something unpleasant) : EMPHASIZE *rub-in* \rāb-,in\ *n* [ME *rubis*] (1601) : RED, RUBY *rub-ble* \rāb-,bal\ *n* [Russ *rubl'*] (1554) — see MONEY table *rub off* *vi* (1950) : to become transferred (bad habits *rubbed off* o them) (carbon *rubbs off* on your hands) — *rub-off* \rāb-,öf\ *n* *rub out* *vi* (14c) 1 : to obliterate or extinguish by or as if by rubbing 2 : to destroy completely; specif. : KILL, MURDER (somebody *rubbed him out* ... with a twenty-two —Raymond Chandler) — *rub-out* \rāb-,aut\ *n* *rub-bric* \rāb-,brïk, -brïk\ *n* [ME *rubrike* red ocher, heading in red letters of part of book, fr. MF *rubrique*, fr. L *rubrica*, fr. *rubr*, *rub* red] (14c) 1 *a* : an authoritative rule; esp. : a rule for conduct of a liturgical service *b* (1) : NAME, TITLE, SPECIF. : the title of a statute (2) : something under which a thing is classed : CATEGORY (the sensation falling under the general ~, "pressure" —F. A. Geldard) *c* : an explanatory or introductory commentary : GLOSS; SPECIF. : an editorial interpolation 2 : a heading of a part of a book or manuscript done or underlined in a color (as red) different from the rest 3 : an established rule, tradition, or custom — *rubric or ru-brical* \rāb-,brï-käl\ *adj* — *ru-brical-ly* \rāb-,brï-käl-ë\ *adv* *ru-bric-ate* \rāb-,brï-kät\ *vt* -*cat-ed*; -*cat-ing* (1570) 1 : to write or print as a rubric 2 : to provide with a rubric — *ru-brica-tion* \rāb-,brï-kä-shän\ *n* — *ru-bric-a-tor* \rāb-,brï-kä-tör\ *n* *rub up* *vi* (1572) 1 : to revive or refresh knowledge of : RECALL 2 : to improve the keenness of (a mental faculty) *ru-bus* \rāb-,bä-,pl\ *n* [NL, fr. L, blackberry] (ca. 1921) : any of a genus (*Rubus*) of plants (as a blackberry or a raspberry) of the rose family having 3- to 7-foliate or simple lobed leaves, white or pink flowers, and a mass of carpels ripening into an aggregate fruit composed of many drupelets *rub-y* \rāb-,bë-,pl\ *n, pl* *rubies* [ME, fr. MF *rubis*, *rubi*, alter. of *robis*; L *rubinus* fr. *rubetus* reddish; akin to L *ruber* red — more at *RED*] (14c) 1 *a* : a precious stone that is a red corundum *b* : something (as a watch bearing) made of ruby *2 a* : the dark red color of the ruby *b* : something resembling a ruby in color *rub-y adj* (1508) : of the color ruby *rub-y glass* *n* (1797) : glass of a deep red color containing selenium, an oxide of copper, or a chloride of gold *rub-y spinel* *n* (1839) : a red spinel used as a gem *ru-by-throat* \rāb-,bë-,thrö\ *n* (ca. 1783) : RUBY-THROATED HUMMINGBIRD *ru-by-throat-ed* *hummingbird* \rāb-,bë-,thrö-tad\ *n* (ca. 1782) : hummingbird (*Archilochus colubris*) of eastern No. America having a bright green back, whitish underparts, and in the adult male a red throat with metallic reflections *ru-che* \rāb-,shë\ *n* [F *ruche* lit., beehive, fr. MU *rusca*] (1827) : a pleated, fluted, or gathered strip of fabric used for trimming — *ruched* \rāb-,shë\ *adj* *ruck* \rāk\ *n* [ME, of Scand. origin; akin to ON *hraukr* rick — more at RICK] (15c) 1 *a* : the usual run of persons or things : GENERALITY (trying to rise above the ~ —Richard Holt) *b* : an indistinguishable gathering : JUMBLE 2 : the persons or things following the vanguard (finished the race in the ~) *ruck vb* *[ruck, n., wrinkle]* (1812) : PUCKER, WRINKLE *ruck-sack* \rāk-,säk\ *n* [G, fr. G dial, fr. *Rucken* back + *sack*] (1866) : KNAPSACK *ruck-sas* *n* [prob. blend of *ruction* and *rump*] (ca. 1890) : ROW, DISTURBANCE (raise a ~) *ruction* \rāk-,shän\ *n* [perh. by shortening & alter. fr. *insurrection*] (ca. 1825) 1 : a noisy fight 2 : DISTURBANCE, UPROAR *rud-beck-ia* \rād-,bë-kë-,ä\ *n* [NL, fr. Olof Rudbeck †1702 Swedish scientist] (ca. 1759) : any of a genus (*Rudbeckia*) of No. American perennial composite herbs having showy flower heads with mostly yellow ray flowers and a conical chaffy receptacle *rudd* \rād\, 'rūd\ *n* [prob. fr. *rude*, fr. OE *ruð*] *rudd* — more at *RUDY* (1526) : a freshwater European cyprinid fish (*Scardinius erythrophthalmus*) resembling the roach *rud-der* \rād-,dr\ *n* [ME *rother*, fr. OE *rōther* paddle; akin to OE *roð*]

BEST AVAILABLE COPY

Exhibit C

370 either elbowroom

always + *ge-*, collective prefix + *hwæther* which of two, whether — more at *AYE CO.* (bef. 12c) 1 : being the one and the other of two : *EACH* (flowers blooming on ~ side of the walk) 2 : being the one or the other of two (take ~ road)

either *pron* (bef. 12c) : the one or the other

either *conj* (bef. 12c) — used as a function word before two or more coordinate words, phrases, or clauses joined usu. by *or* to indicate that what immediately follows is the first of two or more alternatives

either *adv* (15c) 1 : *LIKEWISE, MOREOVER* — used for emphasis after a negative (not smart or handsome ~) 2 : for that matter — used for emphasis after an alternative following a question or conditional clause esp. where negation is implied (who answers for the Irish parliament? or army ~? — Robert Browning)

ei-ther-or \é-thér-ör also \é-i-ró\ n (1922) : an unavoidable choice or exclusive division between only two alternatives

either-or *adj* (1926) : of or marked by either-or : *BLACK-AND-WHITE*

ejac-u-late \é-jäk-yü-lät\ vb -lat-ed; -lat-ing [L. *ejaculatus*, pp. of *ejaculari* to throw out, fr. *e-* + *jaculari* to throw, fr. *jaculum* dart, fr. *jacere* to throw — more at *JET*] vi (1578) 1 : to ejact from a living body; *specif.* : to ejact (semen) in orgasm 2 : to utter suddenly and vehemently ~ vi : to ejact (fluid — *ejac-u-la-tor* \é-jäk-yü-lä-tör\ n)

ejac-u-late \é-jäk-yü-lät\ n (1927) : the semen released by one ejaculation

ejac-u-lation \é-jäk-yü-lä-shän\ n (1603) 1 : an act of ejaculating; *specif.* : a sudden discharging of a fluid from a duct 2 : something ejaculated; *esp.* : a short sudden emotional utterance

ejac-u-la-tory \é-jäk-yü-lä-tör-é, -tör-ë, -tör-ë adj (1644) 1 : marked by or given to vocal ejaculation 2 : casting or throwing out; *specif.* : associated with or concerned in physiological ejaculation (~ vessels)

ejaculatory duct n (1751) : a duct through which semen is ejaculated; *specif.* : either of the paired ducts in the human male that are formed by the junction of the duct from the seminal vesicle with the vas deferens and that pass through the prostate to empty into the urethra by means of a small opening

eject \é-jek\ vt [ME, fr. L *ejectus*, pp. of *elicere*, fr. *e-* + *jacere*] (15c) 1 a : to drive out esp. by physical force b : to evict from property 2 : to throw out or from within (~s the empty cartridges) — **ejec-ta-ble** \é-jek-tä-bal\ adj — **ejec-tion** \é-jek-shän\ n — **ejec-tive** \é-jek-tiv\ adj

syn *EJECT, EXPEL, OUST, EVICT* mean to drive or force out. *EJECT* carries an esp. strong implication of throwing or thrusting out from within as a physical action (*ejected* an obnoxious patron from the bar). *EXPEL* stresses a thrusting out or driving away esp. permanently which need not be physical (a student *expelled* from college). *oust* implies removal or dispossession by power of the law or by force or compulsion (got the sheriff to *oust* the squatters). *EVICT* chiefly applies to turning out of house and home (*evicted* for nonpayment of rent).

ejec-ta \é-jek-tä\ n pl but sing or pl in constr [NL, fr. L, neut. pl. of *ejectus*] (1886) : material thrown out (as from a volcano)

ejec-tion *seat* n (1945) : an emergency escape seat for propelling an occupant out and away from an airplane

ejec-tion \é-jek-shän\ n (1523) 1 : the act or an instance of ejacting : *DISPOSSESSION* 2 : an action for the recovery of possession of real property and damages and costs

ejec-tor \é-jek-tör\ n (1640) 1 : one that ejacts; *esp.* : a mechanism of a firearm that ejacts an empty cartridge 2 : a jet pump for withdrawing a gas, fluid, or powdery substance from a space

eka \é-kä, á-kä\ *comb form* [ISV, fr. Skt *eka* one — more at *ONE*] : standing or assumed to stand next in order beyond (a specified element) in the same family of the periodic table — in names of chemical elements esp. when not yet discovered (*eka-lead* is the hypothetical element 114)

eka out vt (1596) 1 : to make up for the deficiencies of : *SUPPLEMENT* (*eked out* his income by getting a second job) 2 : to make (a supply) last by economy

ekis-tiks \é-kis-tiks\ n pl but sing in constr [NGK *oikistikē*, fr. fem. of *oikistikos* of settlement, fr. Gk, fr. *oikizein* to settle, colonize, fr. *oikos* house — more at *VICINITY*] (1958) : a science dealing with human settlements and drawing on the research and experience of professionals in various fields (as architecture, engineering, city planning, and sociology) — **ekis-tic** \é-kis-tik\ adj

Ek-man dredge \ék-män-\ n [prob. fr. V. W. Ekman †1954 Swed. oceanographer] (1948) : a dredge that has opposable jaws operated by a messenger traveling down cable to release a spring catch and that is used in ecology for sampling the bottom of a body of water

ekue-le \é-kwä-(l)ä\ also **ek-pwele** \ék-pwä-\ n, pl **ekuele** also **ek-pweles** [Fang (Bantu language of western equatorial Africa)] (ca. 1973) : the basic monetary unit of Equatorial Guinea 1975-85

el \é\ n, often *cap* (ca. 1906) : an urban railway that operates chiefly on an elevated structure; *also* : a train belonging to such a railway

elab-o-rate \é-lä-bät-(r)ät\ adj [L *elaboratus*, fr. pp. of *elaborare* to work out, acquire by labor, fr. *e-* + *laborare* to work — more at *LABORATORY*] (1592) 1 : planned or carried out with great care (took ~ precautions) 2 : marked by complexity, fullness of detail, or ornateness (~ prose) — **elab-o-rate-ly** adv — **elab-o-rate-ness** n

elab-o-rate \é-lä-bät-(r)ät\ vb -rat-ed; -rat-ing vt (1611) 1 : to produce by labor 2 : to build up (as complex organic compounds) from simple ingredients 3 : to work out in detail : *DEVELOP* ~ vi 1 : to become elaborate 2 : to expand something in detail (would you care to ~ on that statement) — **elab-o-ration** \é-lä-bät-(r)ä-shän\ n — **elab-o-ra-tive** \é-lä-bät-(r)ä-tiv\ adj

Elaine \é-län\ n : any of several women in Arthurian legend; *esp.* : one who dies for unrequited love of Lancelot

Elamite \é-lä-mit\ n (1874) : a language of unknown affinities used in Elam approximately from the 25th to the 4th centuries B.C.

élan \é-län\ n [F, fr. MF *eslan* rush, fr. (s)lancer to rush, fr. ex- + *lancer* to hurl — more at *LANCE*] (1864) : vigorous spirit or enthusiasm

eland \é-länd, -land\ n, pl **eland** also **elands** [Afrik. elk, fr. D, fr. obs.